



Precise Numerical Results

Deoxynivalenol (DON) is also known as vomitoxin because of its impact on livestock through interference with animal growth and acceptance of feed. DON is often present with other mycotoxins and has been isolated from grains and feeds throughout the world at levels as high as 92 ppm. DON has been implicated in moldy corn toxicosis of swine and may play a role in the human disease alimentary toxic aleukia. Because of concerns about DON, the United States FDA has issued advisory levels of 1 ppm for wheat products for human consumption, 5 ppm for grain products for most animal feeds and 10 ppm for grain products for cattle feed. The European Union has limits for DON that range from less than 0.2 ppm in processed cereal-based foods for infants and young children to less than 1.75 ppm for unprocessed wheat.

Using monoclonal antibody-based affinity chromatography, DONtest[™] HPLC is an HPLC test for the detection of DON using immunoaffinity columns. Performed in less than 10 minutes, DONtest HPLC can measure levels of DON as low as 0.10 ppm and as high as 5 ppm.

An ideal cleanup step for any HPLC, DONtest HPLC has a long shelf life and provides precise numerical results in parts per million levels. The preferred test of laboratories around the world, no other test comes close for speed, quantification, and specificity.

HERE'S HOW SIMPLE VICAM TESTS ARE TO USE:

EXTRACT SAMPLE

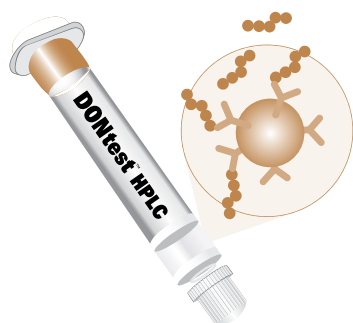
- Grind and weigh sample
- Add PEG and water to sample
- Filter

ABSORB AND ELUTE

- Pass filtrate over DONtest HPLC affinity column
- Wash column
- Elute DON and collect in cuvette

MEASURE

- Dry down eluate
- Resuspend in mobile phase
- Inject into HPLC
- Determine DON concentration



BENEFITS

Exclusive – Specifically for HPLC use

Quick – 10 minutes to isolate toxin*

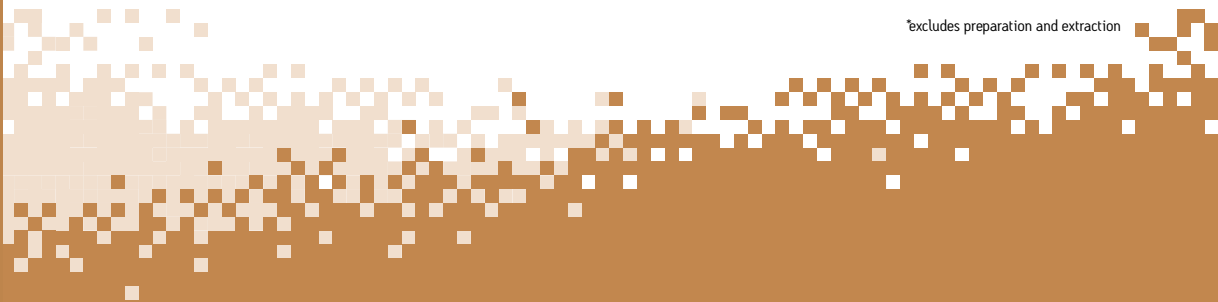
Durable – Long shelf life

Versatile – Can be used with a variety of samples

Wide Range – Detects levels as low as 0.10 ppm and as high as 5 ppm

Safe – Requires less toxic materials than other methods

*excludes preparation and extraction



ORDERING INFORMATION

| Cat. No. | Description |
|-----------|---|
| G1005 | DONtest HPLC Columns (25 per box) |
| G1015 | Polyethylene Glycol (PEG), 250 g |
| 176002724 | DONtest HPLC kit (50 Columns + 1 Standard) |
| G1046 | DONtest HPLC kit (100 Columns + 1 Standard) |
| 20250 | Graduated Cylinder, 250 mL |
| 20501 | 500 mL Bottle Dispenser for Methanol (0–3 mL range) |
| 21020 | Single Position Pump Stand* |
| 23040 | Vortex Mixer |
| 31955 | Microfiber Filters, 1.5 µm, 11 cm (100) |
| 35016 | Methanol, HPLC Grade (4x4 L) |

*Multiple position pump stands available

Subject to change without notice.

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